



Datasheet for ABIN5647397
anti-APRT antibody (AA 5-49)



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2 Images

Overview

Quantity:	100 µg
Target:	APRT
Binding Specificity:	AA 5-49
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Amino acids 5-49 (ELQLVEQRIRSFDPDFPTPGVVFRDISPVLKDPASFRAAIGLLARH-human) were used as the immunogen for the APRT antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	APRT
Alternative Name:	APRT (APRT Products)
Background:	Adenine phosphoribosyltransferase (APRTase) is an enzyme encoded by the APRT gene, found in humans on chromosome 16. It belongs to the purine/pyrimidine phosphoribosyltransferase family. A conserved feature of this gene is the distribution of CpG dinucleotides. This enzyme catalyzes the formation of AMP and inorganic pyrophosphate from adenine and 5-

Target Details

phosphoribosyl-1-pyrophosphate (PRPP). It also produces adenine as a by-product of the polyamine biosynthesis pathway. A homozygous deficiency in this enzyme causes 2,8-dihydroxyadenine urolithiasis. Two transcript variants encoding different isoforms have been found for this gene.

UniProt: [P07741](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: Optimal dilution of the APRT antibody should be determined by the researcher. Western blot: 0.5-1 µg/mL, FACS: 1-3 µg/10⁶ cells

Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

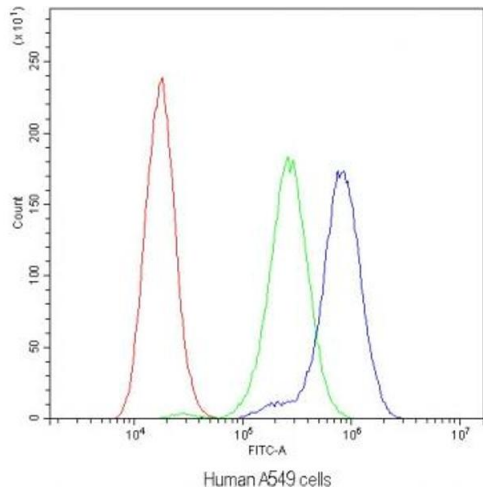
Storage Comment: After reconstitution, the APRT antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of human K562 cell lysate with APRT antibody at 0.5 µg/ml. Predicted molecular weight ~20 kDa.



Flow Cytometry

Image 2. Flow cytometry testing of human A549 cells with APRT antibody at 1ug/10⁶ cells (blocked with goat sera)